

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	23	oversample AND (analog-to-digital OR analog to digital) AND (downshift OR downconvert) AND packet AND tuner AND decod\$3 AND channel AND analog AND digital AND satellite AND ("TV" OR television) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 10:17
L2	0	passband AND switch AND oversample AND (analog-to-digital OR analog to digital) AND (downshift OR downconvert) AND packet AND tuner AND decod\$3 AND channel AND analog AND digital AND satellite AND ("TV" OR television) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 09:12
L3	0	passband AND oversample AND (analog-to-digital OR analog to digital) AND (downshift OR downconvert) AND packet AND tuner AND decod\$3 AND channel AND analog AND digital AND satellite AND ("TV" OR television) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 09:13
L4	6	passband AND (analog-to-digital OR analog to digital) AND (downshift OR downconvert) AND packet AND tuner AND decod\$3 AND channel AND analog AND digital AND satellite AND ("TV" OR television) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 09:13
L5	23	oversample AND (((analog-to-digital OR analog to digital) ADJ (convert OR conversion)) OR "ADC") AND (downshift OR downconvert) AND packet AND tuner AND decod\$3 AND channel AND analog AND digital AND satellite AND ("TV" OR television) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 10:36
L6	0	direct sampling AND oversample AND (((analog-to-digital OR analog to digital) ADJ (convert OR conversion)) OR "ADC") AND (downshift OR downconvert) AND packet AND tuner AND decod\$3 AND channel AND analog AND digital AND satellite AND ("TV" OR television) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 10:21

## EAST Search History

L7	0	grounding plate AND (((analog-to-digital OR analog to digital) ADJ (convert OR conversion)) OR "ADC") AND downconvert AND packet AND tuner AND decod\$3 AND channel AND analog AND digital AND satellite AND ("TV" OR television) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 10:36
L8	0	grounding WITH plate AND (((analog-to-digital OR analog to digital) ADJ (convert OR conversion)) OR "ADC") AND downconvert AND packet AND tuner AND decod\$3 AND channel AND analog AND digital AND satellite AND ("TV" OR television) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 10:36
L9	0	(grounding NEAR plate) AND (((analog-to-digital OR analog to digital) ADJ (convert OR conversion)) OR "ADC") AND downconvert AND packet AND tuner AND decod\$3 AND channel AND analog AND digital AND satellite AND ("TV" OR television) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 10:36
L10	0	(grounding SAME plate) AND (((analog-to-digital OR analog to digital) ADJ (convert OR conversion)) OR "ADC") AND downconvert AND packet AND tuner AND decod\$3 AND channel AND analog AND digital AND satellite AND ("TV" OR television) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 10:37
L11	0	(grounding SAME plate) AND (analog-to-digital OR analog to digital) AND downconvert AND packet AND tuner AND decod\$3 AND channel AND analog AND digital AND satellite AND ("TV" OR television) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 10:38
L12	0	(grounding SAME plate) AND (analog-to-digital OR analog to digital) AND downconvert AND packet AND tuner AND decod\$3 AND channel AND analog AND digital AND satellite AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 10:39

## EAST Search History

L13	0	(grounding SAME plate) AND (analog-to-digital OR analog to digital) AND packet AND tuner AND decod\$3 AND channel AND analog AND digital AND satellite AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 10:39
L14	2	(grounding SAME plate) AND (analog-to-digital OR analog to digital) AND channel AND analog AND digital AND satellite AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 10:41
L15	33	grounding AND plate AND (analog-to-digital OR analog to digital) AND channel AND analog AND digital AND satellite AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 10:41
L16	25	conductivity AND substrate AND grounding AND plate AND (analog-to-digital OR analog to digital) AND channel AND analog AND digital AND satellite AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 10:41
L18	2	"6147713".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 10:58
L19	2	"4894657".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 10:58
S1	105	380/205.ccls. AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/25 13:05
S2	0	analog AND ("TV" OR television) AND digital AND satellite AND ("IC" OR integrated circuit) AND monolithic substrate AND 380/205.ccls. AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/25 13:21

## EAST Search History

S3	4	analog AND ("TV" OR television) AND digital AND satellite AND ("IC" OR integrated circuit) AND monolithic substrate AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/25 13:21
S4	666	analog AND ("TV" OR television) AND digital AND satellite AND ("IC" OR integrated circuit) AND substrate AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/25 13:25
S5	136	packet AND tun\$3 AND decod\$3 AND channel AND analog AND ("TV" OR television) AND digital AND satellite AND ("IC" OR integrated circuit) AND substrate AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/25 13:53
S6	19	packet AND tun\$3 AND decod\$3 AND channel AND analog AND satellite digital ("TV" OR television) AND ("IC" OR integrated circuit) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/25 13:54
S7	19	packet AND tun\$3 AND decod\$3 AND channel AND analog AND digital AND satellite digital ("TV" OR television) AND ("IC" OR integrated circuit) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/25 13:54
S8	486	packet AND tun\$3 AND decod\$3 AND channel AND analog AND digital AND satellite AND digital ("TV" OR television) AND ("IC" OR integrated circuit) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/25 13:54
S9	35	downconvert AND signal AND packet AND tun\$3 AND decod\$3 AND channel AND analog AND digital AND satellite AND digital ("TV" OR television) AND ("IC" OR integrated circuit) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/25 14:08
S10	36	(downshift OR downconvert) AND signal AND packet AND tun\$3 AND decod\$3 AND channel AND analog AND digital AND satellite AND digital ("TV" OR television) AND ("IC" OR integrated circuit) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/25 16:18

## EAST Search History

S11	27	(analog-to-digital OR analog to digital) AND (downshift OR downconvert) AND signal AND packet AND tun\$3 AND decod\$3 AND channel AND analog AND digital AND satellite AND digital ("TV" OR television) AND ("IC" OR integrated circuit) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/25 16:07
S12	112	(downshift OR downconvert) AND packet AND tuner AND decod\$3 AND channel AND analog AND digital AND satellite AND ("TV" OR television) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/25 16:19
S13	72	(analog-to-digital OR analog to digital) AND (downshift OR downconvert) AND packet AND tuner AND decod\$3 AND channel AND analog AND digital AND satellite AND ("TV" OR television) AND (@pd<"20030401" or @ad<"20030401" or @prad<"20030401" or @rlad<"20030401")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 09:09
S14	2	"6031878".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/25 16:39



"zero frequency" satellite television digital anal

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## Patents

Patents 1 - 3 on "zero frequency" satellite television digital analog. (0.20 seconds)

System for transmitting digital data through a lossy channel

[Sort by relevance](#) | [Sort by date \(new first\)](#) | [Sort by date \(old first\)](#)

US Pat. 6412112 - Filed Feb 8, 1999 - WebTV Networks, Inc.

The 25 receivers convert the **digital** broadcast from the **satellite** back into **analog** video format for delivery to a **television**, or in the case of the ...

Expanded information capacity for existing communication transmission systems

US Pat. 6433835 - Filed Apr 17, 1998 - Encamera Sciences Corporation

4a includes a data source 427 (Return to Zero, RZ, or Non Return to Zero, NRZ), Serial to Parallel converter "S/P" 429, **Digital** signal to **Analog** signal ...

Method and apparatus for developing a close frequency tolerance output ...

US Pat. 5847585 - Filed Oct 21, 1996 - Zenith Electronics Corporation

... to process these signals digitally as opposed to doing so in **analog** form. ... is an VSB 46.69 mhz IF signal of substantially **zero frequency** tolerance. ...

"zero frequency" satellite television digital anal

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monolithic substrate satellite digital television

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## Patents

Patents 1 - 1 on **monolithic substrate satellite digital television analog**. (0.14 seconds)

On-chip antenna, and systems utilizing same [Sort by relevance](#) | [Sort by date \(new first\)](#) | [Sort by date \(old first\)](#)

US Pat. 6373447 - Filed Dec 28, 1998 - Kawasaki Steel Corporation

D/A: **Digital-to-Analog** (converter). DAT: **Digital** Audio Tape. DBS: Direct Broadcast

**Satellite**. DMA: Direct Memory Access. DRAM: Dynamic Random Access Memory. ...

monolithic substrate satellite digital television

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"analog to digital" satellite conversion stage vc

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## Patents

Patents 1 - 20 on "analog to digital" satellite conversion stage voltage bits. (0.09 seconds)

### Pipelined analog-to-digital

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#### architecture with parallel-autozero analog ...

US Pat. 4894657 - Filed Nov 25, 1988 - General Electric Company

Examples include radar and **satellite** signal processing and general ... producing a first part of said digital code and a residue **voltage**, each **stage** of the ...

### Analog to digital signal of logarithmic format converter and analog to ...

US Pat. 4113997 - Filed Jul 12, 1977 - Communications Satellite, Corporation

The **bits** of The cathode of diode, 140 is also connected to the first the ... values immediately at the end of the **conversion** cycle, analog **voltage** X- is ...

### Digital audio satellite transmission system

US Pat. 4567591 - Filed Aug 1, 1983

Design of this **stage** may also be accomplished in accordance with the teaching of the Sallen and Key Article. To insure that the **analog-to-digital** (A/D) ...

### Digital controlled converter and method

US Pat. 5260861 - Filed May 1, 1992

In the converter 200, the analog value of the dc output **voltage** is transmitted to an eight-bit **analog-to-digital** (A/D) converter 290. ...

### Multi-mode variable rate digital satellite receiver

US Pat. 6714608 - Filed Jan 27, 1998 - Broadcom Corporation

The operation of the **stage** 26 is controlled by a **voltage** controlled ... In this way, the **analog-to-digital** signals are produced in the middle of the times ...

### DC centering analog receiver for flash A/D converter

US Pat. 5422642 - Filed Jun 22, 1993 - International Business Machines Corporation

But in practice, precise matching is difficult higher-order **bits**,... . This constraint is imposed by the **voltage** swing The rapid **conversion** rate of flash A/D ...

### Interference cancellation system for global positioning satellite receivers ...

US Pat. 5712641 - Filed Feb 28, 1996 - Electro-Radiation Incorporated

If the **voltage** is above the Automatic Gain Control (AGC) controlled linear IF ampli- ... a gain/driver amplifier 147, video detection **stage** mined to exist. ...

### Signal processing apparatus and method

US Pat. 5668831 - Filed Jun 7, 1995 - Discovision Associates

An example of an application is the flash **analog to digital** converter (denoted FADC), where a linear array of comparators convert an analog **voltage** into a ...

### High performance global positioning system receiver means and method

US Pat. 5223843 - Filed Jan 5, 1988 - Rockwell International Corporation



**Analog-to-digital conversion** by A/D converters 44 and 46 is most easily ...  
operate to average the number of magnitude **bits** which indicate the threshold was ...

#### Signal processing apparatus and method

US Pat. 5717715 - Filed Jun 7, 1995 - Discovision Associates

Data is transmitted as symbols consisting of 4 **bits** for 16-VSB. ... A high speed **analog to digital** converter 60, provides an output which is used by timing ...

#### Signal processing apparatus and method

US Pat. 5692020 - Filed Jun 7, 1995 - Discovision Associates

Each of another amplifier **stage** 31. The output of amplifier **stage** 31 Symbols 38  
... A high speed **analog to digital** converter 60, 8-VSB. Here the **bits** of the ...

#### Pseudorandom-noise receiver having automatic switching between regular and ...

US Pat. 5734674 - Filed Oct 2, 1996 - NovAtel Inc.

The resulting decoded data, including the **satellite's** ephemeris, time of day,  
... from the AGC amplifier 140 is sent to the **analog-to-digital**-converter 143. ...

#### Logarithmic echo canceller

US Pat. 4064379 - Filed Jun 11, 1976 - Communications Satellite Corporation

The value X/is also used as a reference **voltage** for 5 reference **voltage** used to bias  
... in a special **analog-to-digital** converter 204 into AH is determined. ...

#### Transmitting and receiving radio signals

US Pat. 6091780 - Filed Mar 11, 1997 - Nokia Mobile Phones, Ltd.

The **analog to digital** converter 601 converts the analog signals into a stream of  
... However, in proposed standards for **satellite** telephone 60 systems, ...

#### Signal processing apparatus and method

US Pat. 5761210 - Filed Jun 7, 1995 - DiscoVision Associates

An example of an application so is the flash **analog to digital** converter (denoted  
FADC), where a linear array of comparators convert an analog **voltage** into ...

#### Signal processing apparatus and method

US Pat. 5910960 - Filed Jun 7, 1995 - Discovision Associates

Data is transmitted as symbols consisting of 4 **bits** for 16-VSB, 3 **bits** for ...  
A high speed **analog to digital** converter 60, provides an output which is used ...

#### Transmitting and receiving radio signals

US Pat. 6347121 - Filed Apr 19, 2000

The **analog to digital** converter 601 converts the analog signals into a stream of  
binary ... However, in proposed standards for **satellite** telephone systems, ...

#### Interference reduction circuit

US Pat. 3963990 - Filed Feb 27, 1974 - Communications Satellite Corporation (Comsat)

The  $B > A$  maintain a zero **voltage** at point B during the positive output will be  
logical 1 if ... This is The **analog-to-digital** converter is shown in FIG. ...

#### Global positioning system receiver **digital** processing technique

US Pat. 5293170 - Filed Apr 6, 1992 - Ashtech Inc.

The antenna 11 is electrically frequency of 34 fo from a **voltage** controlled ...  
2, a clock to respective one bit **analog-to-digital** converters 90 and signal ...

Global positioning system receiver **digital** processing technique

US Pat. 5134407 - Filed Apr 10, 1991 - Ashtech Telesis, Inc.

signals those within the L1 and L2 **satellite** signal bands. cutoff in order to  
... 2, a clock 35 to respective one bit **analog-to-digital** converters 90 ...

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## Patents

Patents 1 - 20 on packet "analog to digital" satellite television channel. (0.19 seconds)

### MPEG packet header compression for television modems

US Pat. 5835730 - Filed Jul 31, 1996 - General Instrument Corporation of Delaware  
Hereinafter, the term "cable modem" is used to mean both cable and **satellite television modems**, and "CATV" is meant to apply to either a cable or **satellite** ...

### Digital signal processor for multistandard television reception

US Pat. 6147713 - Filed Mar 9, 1998 - General Instrument Corporation  
It should be appreciated that receivers for **satellite television** and MMDS will ... an **analog-to-digital** converter, a digital demodulator such as a QAM ...

### Smart-card based access control system with improved security

US Pat. 5852290 - Filed Jan 30, 1997 - Thomson Consumer Electronics, Inc.  
FEC 110 also performs an **analog-to-digital** conversion (ADC) function to convert the ... For example, the signal DSS® direct-broadcast **satellite television** ...

### Tuning system for achieving quick acquisition times for a digital satellite ...

US Pat. 6359944 - Filed May 10, 1999 - Thomson Licensing S.A.  
In a digital **satellite television** system, each modulated RF carrier carries ....  
The IA and QA signals are coupled to respective **analog-to-digital** ...

### Tuner for digital satellite receiver

US Pat. 5654774 - Filed Jun 6, 1995 - Thomson Consumer Electronics, Inc.  
RF signal corresponding to the desired **channel** from the center frequency of the ... to the DSS™ **satellite television** receiver commensurate oscillator frequency ...

### Home network for receiving video-on-demand and other requested programs and ...

US Pat. 6889385 - Filed Jun 23, 2000 - Terayon Communication Systems, INC  
As is the case for all the analog signal receiver circuits for both HFC and **satellite**, the **analog-to-digital** conversion can happen anywhere along the line ...

### Scalable audio coder and decoder

US Pat. 6029126 - Filed Jun 30, 1998 - Microsoft Corporation  
For example, music compact discs (cds), Internet audio clips, **satellite television**, digital video discs (dvds), and telephony (wired or cellular) rely on ...

### System for processing a video signal via series-connected high speed signal ...

US Pat. 6035037 - Filed Jan 30, 1997 - Thomson Electronic Consumers, Inc.  
FEC 110 also performs an **analog-to-digital** conversion (ADC) function to convert ... A specific example is the DSS® direct-broadcast **satellite television** ...

### Scalable audio coder and decoder

US Pat. 6115689 - Filed May 27, 1998 - Microsoft Corporation

For example, music compact discs (cds), Internet audio clips, **satellite television**, digital video discs (dvds), and telephony (wired or cellular) rely on ...

System and method for modeling probability distribution functions of ...

US Pat. 6253165 - Filed Jun 30, 1998 - Microsoft Corporation

For example, music compact discs (cds), Internet audio clips, **satellite television**, digital video discs (dvds), and telephony (wired or cellular) rely on ...

Method and arrangement for recording and reproducing a data packet ...

US Pat. 4868681 - Filed Dec 29, 1988 - U.S. Philips Corporation

Consequently, hi each line of the **satellite television** signal a data packet subjected to a quaternary coding, a 25 chrominance information and a luminance ...

High speed signal processing smart card

US Pat. 6594361 - Filed Jan 30, 1997 - Thomson Licensing S.A.

Each **packet** is associated with a particular type, or substream, of information in the tuned **channel's** data stream. For example, the signal includes packets ...

System for digital broadcasting by satellite

US Pat. 5712850 - Filed Jul 31, 1995 - Agence Spatiale Europeenne

These **analog-to-digital** converters per- word of the **packet** in compliance with the DTVB framing ... 8 shows the **channel** distribution of the **satellite** SAT. ...

Media server interconnect architecture

US Pat. 6378130 - Filed Oct 20, 1997 - Time Warner Entertainment Company

LED display 54 provides a numeric display for **channel** or time indication, ... program identifier in each digital data **packet** of the requested media asset. ...

System for decoding transmitted scrambled signals

US Pat. 4937866 - Filed Jul 29, 1987 - U.S. Philips Corporation

The output of the am- 5 plifier 17 is applied to a frequency demodulator 18 as the vision components of the broadcast **satellite television** signal are ...

High definition NTSC compatible television system with increased horizontal ...

US Pat. 4999701 - Filed Jul 10, 1989 - North American Philips Corporation

Additionally, although not shown specifically in the augmentation **channel** super line timing budget, **packet** fades are provided between time slots to avoid ...

Method and apparatus for dynamically generating a visual program summary ...

US Pat. 6870573 - Filed Jan 22, 1999 - Intel Corporation

6 illustrates one embodiment of a visual program **channel** guide that illustrates a ... a **satellite television** dish receiver system, a cable **television** feed, ...

System and method for masking quantization noise of audio signals

US Pat. 6058362 - Filed Jun 30, 1998 - Microsoft Corporation

... Internet audio clips, **satellite television**, digital video discs (dvds), ... signal into a digital signal with an **analog-to-digital** (A/D) converter. ...

Media editor for non-linear editing system

US Pat. 6154600 - Filed Aug 5, 1997 - Applied Magic, Inc.

As nectors 184 for a **television** set, left/right **channel** audio is well known in the ... 204 having an **analog to digital** converter the hypermedia input 202, ...

Network protocol--based home entertainment network

US Pat. 6026150 - Filed Oct 30, 1997 - Epigram

Codec circuit 104 include **analog-to-digital** converter (ADC) 111 and digital- ...  
114 includes **packet** queue 201, framer 202, **channel** coding circuit 203, ...

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**Patents** Patents 1 - 50 on **integrated circuit satellite digital television analog channel packet. (0.27 second)**

Selecting a digital television program and the control of a non-attached ... [Sort by relevance](#) | [Sort by date \(new first\)](#) | [Sort by date \(old first\)](#)

US Pat. 5963264 - Filed Oct 30, 1997 - EchoStar Engineering Corporation  
10 The **packet** demultiplexer 25 is an **integrated circuit** that accepts the ...  
The video stream 26 is fed to video **digital to analog** converter 32 and the ...

Saw filter for a tuner of a digital satellite receiver

US Pat. 5898900 - Filed Feb 11, 1997 - Thomson Consumer Electronics, Inc.

**Analog satellite television** systems typically employ FM 35 modulation, ...  
of being constructed utilizing a commercially available **integrated circuit** (1C) ...

On screen display arrangement for a digital video signal processing system

US Pat. 5489947 - Filed Feb 15, 1995 - Thomson Consumer Electronics, Inc.

1 is a **digital television satellite** system in which **television** information is  
.... Video decoder 1509 is incorporated in a single **integrated circuit** (1C). ...

Digital signal processor for multistandard television reception

US Pat. 6147713 - Filed Mar 9, 1998 - General Instrument Corporation

It should be appreciated that receivers for **satellite television** and MMDS ...  
large scale integration (VLSI) application specific **integrated circuit** (ASIC) ...

Apparatus for providing audible instructions or status information for use ...

US Pat. 5502496 - Filed Jun 9, 1994 - Thomson Consumer Electronics, Inc.

**Satellite** receiver 15 includes a tuner 1501 with a local oscillator and mixer (not  
... The baseband **analog** video and audio signals are coupled to **television** ...

MPEG packet header compression for television modems

US Pat. 5835730 - Filed Jul 31, 1996 - General Instrument Corporation of Delaware

The **packet** stream can comprise any **digital** stream in which consecutive fixed ...  
**channel** is input to an **analog** application specific **integrated circuit** ...

Tuning system for achieving quick acquisition times for a digital satellite ...

US Pat. 6359944 - Filed May 10, 1999 - Thomson Licensing S.A.

In a **digital satellite television** system, each modulated RF carrier ... phase locked  
loop (PLL) arrangement 919 comprising PLL **integrated circuit** (1C) 921, ...

Combined DCAM and transport demultiplexer

US Pat. 5602920 - Filed May 31, 1995 - Zenith Electronics Corporation

In accordance with the MPEG standard, the compressed **digital television** ...  
may be fabricated as a single **integrated circuit** optimized for performing both ...

Cryptographic system for direct broadcast satellite system

US Pat. 4887296 - Filed Oct 16, 1987 - Ricoh Co., Ltd.

The decryption circuit, being totally **digital**, can be implemented using semi-custom or custom **integrated** circuits. It is highly important that the ...

Pixel block compression apparatus in an image processing system

US Pat. 6256347 - Filed Aug 12, 1997 - Thomson Licensing S.A.

Compressor 12 and decompressor reside in a common **integrated circuit** and exhibit ... and processing standard definition video signals via an **analog channel** ...

Single clock 27 MHZ oscillator in MPEG-2 system

US Pat. 6151479 - Filed Jun 3, 1997 - EchoStar Engineering Corp.

After the receiver has determined where it is in the data stream, the signal is sent to the **packet** demultiplexer 3. The **satellite television** signal is ...

System for synchronizing discrete components to a common clock source

US Pat. 6308280 - Filed Jun 25, 1998 - Hughes Electronics Corporation

One type of receiver station is part of a "wireless **digital television**" system ... **satellite** dish connected by a cable 30 to an **integrated** receiver/decoder ...

System providing freeze of closed captioning data

US Pat. 5959687 - Filed Oct 10, 1997 - Thomson Consumer Electronics, Inc.

**Digital television** signals typically include packets, or groups, of data words. ... in **integrated circuit** (1C) form or not, that provide a control function. ...

RF tunable filter arrangement with tunable image trap

US Pat. 6553216 - Filed Dec 14, 1995 - Thomson Licensing, S.A.

In a **digital satellite television** system, each modulated RF carrier carries ... locked loop (PLL) arrangement comprising a PLL **integrated circuit** (1C) 919. ...

On screen display arrangement for digital video signal processing system

US Pat. 5534942 - Filed Feb 15, 1995 - Thomson Consumer Electronics, Inc.

The baseband **analog** video and audio signals are coupled to **television** receiver ... Video decoder 1509 is incorporated in a single **integrated circuit** (1C). ...

COFDM combined encoder modulation for digital broadcasting sound and video ...

US Pat. 5521943 - Filed Sep 17, 1993 - Rohde & Schwarz GmbH & Co. K.G.

2.4 Mbit/s for each COFDM **packet** (HG. 3, point R) and to feed a total of eight .... a **television channel** and a DAB system having four synchronized networks. ...

Carousel bit mask system and method

US Pat. 6658661 - Filed Feb 29, 2000 - Hughes Electronics Corporation

One type of receiver is part of a "wireless **digital television**" system utilized ... of a **satellite** dish, 35 along with an **integrated** receiver/decoder (IRD). ...

Method and apparatus for time shifting and controlling broadcast audio and ...

US Pat. 6490000 - Filed Mar 26, 1999 - EchoStar Communications Corporation

The forward to: DBS **satellite**, cable, HDTV, **analog** or **digital** terrestrial ... The **packet** demultiplexer 26 is an **integrated circuit** that 10 ^ (m enabled) ...

Method and apparatus for providing a calendar-based planner in an electronic ...

US Pat. 6532589 - Filed Mar 25, 1999 - Sony Corp.

Furthermore, the broadcast system described herein may be **integrated** with ... The **digital** data stream sent from a **satellite** includes headers for classifying ...

#### Peripheral software download of a broadcast receiver

US Pat. 6049830 - Filed May 13, 1997 - Sony Corporation

For the case where the **digital satellite** system service provider wishes to ...

In this embodiment, IF 315 may include a link layer **integrated circuit** (1C) ...

#### Cryptographic system using interchangeable key blocks and selectable key ...

US Pat. 4803725 - Filed May 14, 1987 - General Instrument Corp.

The decryption **circuit**, being totally **digital**, can be implemented using semi-custom or custom **integrated** circuits. The system uses an encryption scheme in ...

#### Cryptographic system using interchangeable key blocks and selectable key ...

US Pat. 4694491 - Filed Mar 11, 1985 - General Instrument Corp.

The decryption **circuit**, being totally **digital**, can be implemented using semi-custom or custom **integrated** circuits. The system uses an encryption scheme in ...

#### Graphical tuning bar for a multi-program data stream

US Pat. 6522342 - Filed Jan 27, 1999 - Hughes Electronics Corporation

More particularly, it relates to a multi-**channel** broadcast system that ...  
advantageous DTH **satellite** system is the 35 **digital satellite television** ...

#### Tuner for **digital satellite** receiver

US Pat. 5654774 - Filed Jun 6, 1995 - Thomson Consumer Electronics, Inc.

RF signal corresponding to the desired **channel** from the center frequency of ...  
conventional The **digital satellite television** receiver described so far is ...

#### Video and graphics system with video scaling

US Pat. 6768774 - Filed Aug 18, 2000 - Broadcom Corporation

The DOCSIS data may include, for example, **digital television** data or HTML files.  
... **integrated circuit** chip 1400 comprised of an **analog** video decoder 1500, ...

#### Display of previewed channels with rotation of multiple previewed channels ...

US Pat. 6281940 - Filed Mar 31, 1999 - Sony Corporation

The decoded **digital** audio signal is converted into an **analog** audio signal ...  
module 40 (or any module in the IRD 2) may be a separate **integrated circuit**,... .

#### Television based on operating system and method of displaying an initial ...

US Pat. 6788352 - Filed Aug 21, 2001 - Samsung Electronics Co., Ltd.

The second memory further stores a volume **channel**. The **television** signal generating  
... Video decoder 174 restores the video **packet** stream a **digital** video ...

#### Channel preview with rate dependent **channel** information

US Pat. 6425129 - Filed Mar 31, 1999 - Sony Corporation

The decoded **digital** audio signal is converted into an **analog** audio signal ...  
module 40 (or any module in the IRD 2) may be a separate **integrated circuit**,... .

#### High speed signal processing smart card

US Pat. 6594361 - Filed Jan 30, 1997 - Thomson Licensing S.A.

The output signal from one **integrated circuit** card is routed to at least one ...  
**satellite television** system developed by Thomson Consumer Electronics, ...

#### Phase locked loop with controllable response time

US Pat. 5748046 - Filed Jun 25, 1997 - Thomson Consumer Electronics, Inc.



In QPSK m decompressed and converted to respective **analog** sig- modulation, the phases of ... In a **digital satellite television** system, each modu- signals. ...

#### Method and apparatus for indicating functional areas of a graphical user ...

US Pat. 5973682 - Filed Oct 17, 1997 - Sony Corporation

The system has an antenna 3, an **integrated** receiver/decoder ... The **digital** data stream sent from a **satellite** 10 utilized. This card is inserted into the ...

#### Method and apparatus for displaying an electronic program guide

US Pat. 6577350 - Filed Dec 21, 1998 - Sony Corporation

The **digital** data stream sent from a **satellite** includes headers for classifying ... The decoded **digital** audio signal is converted into an **analog** audio signal ...

#### Method and apparatus for generating and displaying a broadcast system ...

US Pat. 6020930 - Filed Aug 28, 1997 - Sony Corporation

Packets of data are transmitted by a transponder on the **satellite**... . The decoded **digital** audio signal is converted into an **analog** audio signal by D/A ...

#### System and method for finding a movie of interest in a large movie database

US Pat. 5483278 - Filed Sep 28, 1993 - Philips Electronics North America Corporation

For purposes of this description, we will assume that the **digital** data is ... also be **analog** information, thus eliminating the need for the **packet** selector ...

#### Head end multiplexer to select and transmit video-on-demand and other ...

US Pat. 6857132 - Filed Jun 23, 2000 - Terayon Communication Systems, Inc.

For example, **analog** video signals such as C-band subscription broadcast video ... **circuit** is implemented on commercially available **integrated** circuits which ...

#### DVB frame synchronization

US Pat. 6072839 - Filed Jul 24, 1997 - Lucent Technologies, Inc.

Each 15 25 40 45 65 frame consists of a frame header **packet** that includes ... of the invention is simple and easily implementable as an **integrated circuit**, ...

#### Monitoring the degree of action in video transmissions

US Pat. 6825874 - Filed Dec 14, 1999 - Intel Corporation

If the **television** receiver is a **digital television** receiver, ... For example, a variety of **integrated circuit** character generators are available to convert ...

#### Digital broadcast receiver unit

US Pat. 6549243 - Filed Aug 18, 1998 - Hitachi, Ltd.

20 In contrast, in related art **analog** broadcast receivers, **television** ... an application specific **integrated circuit** (ASIC) or central processing unit (CPU) ...

#### Hand-held video viewer and remote control device

US Pat. 6476825 - Filed Nov 12, 1999 - Clemens Croy

The following ADC 5632 converts the **analog** signals into **digital** data streams, ... 5614) may be **integrated** into one application specific **integrated circuit** ...

#### Transcoder-multiplexer (transmux) software architecture

US Pat. 6748020 - Filed Oct 25, 2000 - General Instrument Corporation

Picture PID—**Packet** Identifier PTS—Presentation Time Stamp (MPEG) QL—Quantization Level RAM—Random Access Memory RAMDAC—RAM **Digital-to-Analog** Converter Ref. ...

#### Mobile audio program selection system using public switched telephone network

US Pat. 5594779 - Filed Jan 12, 1995 - Bell Atlantic

The NTSC encoder 120 also performs a **digital** to **analog** converter (DAC) function.  
... to produce a standard RF **television** signal on an available TV **channel**,...

#### Multiple-room signal distribution system

US Pat. 6622307 - Filed Mar 26, 1999 - Hughes Electronics Corporation

The **digital packet** information contains identifying headers as part of its overhead data. Under control of the microprocessor 64, the **channel** demultiplexer ...

#### Visual display of categorical information through visual factors such as ...

US Pat. 6608633 - Filed Oct 30, 1998 - Sony Corporation

The system has a remote 30 controller 10 with data buffer, an **integrated** receiver/  
... The **digital** data stream sent from a **satellite** includes headers for ...

#### Controller for controlling direct memory access

US Pat. 6859850 - Filed Jan 29, 1999 - STMicroelectronics Limited

6 illustrates how **digital television** signals 809, 811, and 813 can be transmitted via a cable, **satellite** or terrestrial **television channel** 852 and be viewed ...

#### Method of altering the destination telephone number of an incoming call

US Pat. 5825862 - Filed Nov 30, 1995 - Bell Atlantic Network Services, Inc.

A **digital** switch or an **analog** implementation of an SSP switch 271 provides ...  
other nodes of the network ride on an X.25 **packet** switched data network 246. ...

#### Shared memory access by multiple controllers having different bus widths

US Pat. 6675267 - Filed Oct 5, 2001 - STMicroelectronics Limited

5 illustrates how **digital television** signals 809, 811, 60 and 813 can be transmitted via a cable, **satellite** or terrestrial **television channel** 852 and be ...

#### Mobile audio program selection system using public switched telephone ...

US Pat. 5694455 - Filed Oct 3, 1996 - Bell Atlantic Network Services, Inc.

Also, a CCIS **packet** switched data link 144 connects be used to scan credit card information encoded on magnetic the STP 142 to an **Integrated** Serves Control ...

#### Information processor, information processing method as well as broadcasting ...

US Pat. 6278493 - Filed Nov 18, 1998 - Sony Corporation

The decoded audio signal is 8 converted from **digital** to **analog** by ad/A ...  
31 selects and outputs the signal (**packet**) of the predetermined **channel**...

#### Central site call routing apparatus and method

US Pat. 6285680 - Filed Mar 27, 1997 - Microcom Systems, Inc.

T cully include **circuit** switching services and **packet** switching 2. ... the telephone company via the D-**channel** in grated Services **Digital** Network (ISDN). ...

#### Process for supplying video-on-demand and other requested programs and ...

US Pat. 7089577 - Filed Jun 23, 2000 - Terayon Communication Systems, Inc.

The **satellite** dish can send multiple forms of signals to the gateway. ...  
transcoder **circuit** is implemented on commercially available **integrated** circuits ...



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"analog to digital" satellite conversion stage

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## Patents

Patents 1 - 20 on "analog to digital" satellite conversion stage. (0.36 seconds)

### Satellite receiver having analog-to-digital converter demodulation

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US Pat. 5630227 - Filed Dec 20, 1995 - Agence Spatiale Europeenne

The group filter is (ii) the requirement for a complex down **conversion** scheme, ^^

Ms stage? ^ frequency generation scheme of each in particular to meet the ...

### Pipelined analog-to-digital architecture with parallel-autozero analog ...

US Pat. 4894657 - Filed Nov 25, 1988 - General Electric Company

Examples include radar and **satellite** signal processing and general instrumentation and ... each **stage** of the pipeline comprising a flash **analog-to-digital** ...

### Digital audio satellite transmission system

US Pat. 4567591 - Filed Aug 1, 1983

Design of this **stage** may also be accomplished in accordance with the teaching of the Sallen and Key Article. To insure that the **analog-to-digital** (A/D) ...

### Tuner for digital satellite receiver

US Pat. 5654774 - Filed Jun 6, 1995 - Thomson Consumer Electronics, Inc.

Block converter 3 includes a low noise amplifier **conversion stage**;... signal includes **analog to digital** converters for converting the broadcast and cable ...

### Mobile satellite radiotelephone systems and methods including mobile ...

US Pat. 6081709 - Filed Aug 29, 1997 - Ericsson, Inc.

If payload rate **conversion** was not provided in the **satellite**, the received carrier ... **Analog to digital** converter may operate at a clock rate CLK, ...

### Digital audio satellite transmission system

US Pat. 4660196 - Filed Jan 27, 1986 - Scientific Atlanta, Inc.

BACKGROUND OF THE INVENTION This invention relates to **analog-to-digital conversion** of audio signals, transmission of such signals over an 10 earth **satellite** ...

### Programmable dynamic range receiver with adjustable dynamic range analog to ...

US Pat. 6134430 - Filed Dec 9, 1997

... RANGE **ANALOG TO DIGITAL CONVERTER** BACKGROUND OF THE INVENTION I. Field of ... the IIP3 of the receiver from the first **stage** of active device to the n'A ...

### Direct-conversion tuner integrated circuit for direct broadcast satellite ...

US Pat. 6031878 - Filed Feb 28, 1997 - Maxim Integrated Products, Inc.

In some cases, the dual **analog to digital** converters 100 may be included on the DSP ... with the quality of the signal received by the **satellite** dish. ...

### All digital IDMA dynamic channel allocated satellite communications system ...

US Pat. 4625308 - Filed Nov 30, 1982 - American Satellite Company

For example, the NIC-to-PCM **conversion** table 43020 has 256 memory locations. ...  
I/O equipment 13014: **analog to digital conversion** to fi-law logarithmic and ...

Asynchronous time-division multiservice **digital satellite** center for ...

US Pat. 5010545 - Filed Apr 10, 1990 - Alcatel Cit  
... Borscht functions and an **analog-to-digital** dancy to ensure that service is  
... for example, in Commutation matrices of the first **stage** have r two-way ...

**Analog to digital** signal of logarithmic format converter and **analog to** ...

US Pat. 4113997 - Filed Jul 12, 1977 - Communications Satellite, Corporation  
\_ ground; The component values of the capacitor 144 and improved **analog-to-digital**  
pseudo-logarithmic con- peak detector 138. Thus, the serial **conversion** ...

Single-chip DBS receiver

US Pat. 5953636 - Filed Oct 30, 1996 - LSI Logic Corporation  
Broadly speaking, the present invention contemplates a digital broadcast  
**satellite** (DBS) receiver system comprising a tuner, an **analog to digital** converter ...

Combined navigation and mobile communication **satellite** architecture

US Pat. 6311128 - Filed Feb 3, 2000 - Hughes Electronics Corporation  
Thus, the analog receive section 110 includes a down **conversion stage**, ...  
additional amplification and filtering as well as **analog-to-digital conversion**... .

**Analog to digital** converter for two-dimensional radiant energy array computers

US Pat. 4045792 - Filed Feb 13, 1976 - The United States of America as represented by the Administrator of the  
National Aeronautics and Space Administration  
input to a succeeding **stage**. level' and means for addm£ the ... 1 of an alternate  
elements of **satellite** gathered earth observations imag- embodiment of an ...

Receiver architecture for SDARS full band signal reception having an **analog** ...

US Pat. 6735416 - Filed May 25, 1999 - XM Satellite Radio, Inc.  
The low pass 45 filters must be designed to handle the aliasing components which  
may be expected to result from an **analog-to-digital conversion** process ...

Multi-mode variable rate **digital cable** receiver

US Pat. 6304621 - Filed May 13, 1998 - Broadcom Corporation  
The tuner 36 includes a down convert **stage** 38 and surface acoustic wave filter  
... **Analog-to-digital** converters 56 and 58 respectively con- 20 vert the ...

Multi-mode variable rate **digital satellite** receiver

US Pat. 6714608 - Filed Jan 27, 1998 - Broadcom Corporation  
The tuner 14 includes a downconvert **stage** 16 and a surface acoustic wave filter  
... In this way, the **analog-to-digital** signals are produced in the middle of ...

Method and apparatus for determining position location using reduced number ...

US Pat. 6353412 - Filed Oct 29, 1999 - Qualcomm, Incorporated  
The digital IF modulator 400 provides a first **stage** IF up **conversion** of the data  
received from the mobile demodulator 500. A second **stage** of IF up ...

System for turbo-coded **satellite digital** audio broadcasting

US Pat. 5907582 - Filed Aug 11, 1997 - Orbital Sciences Corporation  
The output of the turbo decoder is supplied to the audio down **conversion** circuitry

The low pass 5 filters must be designed to handle the aliasing components which may be expected to result from an **analog-to-digital conversion** process ...

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**"analog to digital" satellite conversion stage**

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**Patents** Patents 1 - 50 on **integrated circuit satellite digital television analog channel**. (0.18 seconds)

**Direct-conversion tuner integrated circuit for direct broadcast satellite ...**

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US Pat. 6031878 - Filed Feb 28, 1997 - Maxim Integrated Products, Inc.  
The signal from the amplifier 62 is coupled to the **integrated circuit** 64 of the present .... The **analog** to **digital** converters 100 may be, by way of example, ...

**Saw filter for a tuner of a digital satellite receiver**

US Pat. 5898900 - Filed Feb 11, 1997 - Thomson Consumer Electronics, Inc.  
**Analog satellite television** systems typically employ FM 35 modulation, ...  
of being constructed utilizing a commercially available **integrated circuit** (1C) ...

**Digital video converter box for subscriber/home with multiple television sets**

US Pat. 5936660 - Filed Dec 10, 1997 - Rockwell Semiconductor System, Inc.  
A **television** can usually be directly split off an **analog** system because many ...  
The smartcard is credit-card sized, and contains an **integrated circuit** chip ...

**CAD for hexagonal architecture**

US Pat. 5822214 - Filed Aug 21, 1995 - LSI Logic Corporation  
An **integrated circuit** system, generally represented by the numeral 700, ....  
as a **digital television**, CD video and audio, and direct broadcast **satellite** is ...

**Digital signal processor for multistandard television reception**

US Pat. 6147713 - Filed Mar 9, 1998 - General Instrument Corporation  
It should be appreciated that receivers for **satellite television** and MMDS ...  
large scale integration (VLSI) application specific **integrated circuit** (ASIC) ...

**System for dual-display interaction with integrated television and internet ...**

US Pat. 6097441 - Filed Dec 31, 1997 - eRemote, Inc.  
**Analog** signals will enter the base station's "tuner + **analog** to **digital** ...  
160 in the IO-ASIC (Input Output Application Specific **Integrated Circuit**) 165. ...

**Information terminal having reconfigurable memory**

US Pat. 5742677 - Filed Apr 3, 1995 - Scientific-Atlanta, Inc.  
**Analog** control **circuit** 172 may, for example, be an application specific **integrated circuit** (ASIC) .... If the **digital** data includes **digital television** data, ...

**Quadrature amplitude modulated data for standard bandwidth television channel**

US Pat. 5511096 - Filed Jan 18, 1994 - GI Corporation  
15 20 In order to communicate **digital** data via an **analog channel**,... QAM trellis  
encoders and decoders in expensive custom **integrated circuit** chips. ...

**Tuner for digital satellite receiver**

US Pat. 5654774 - Filed Jun 6, 1995 - Thomson Consumer Electronics, Inc.

**Analog** conventional broadcast and cable **television** receivers, **satellite television** ... a commercially available **integrated circuit** (1C) lated RF carriers. ...

Tuning system for a **digital satellite** receiver with fine tuning provisions ...

US Pat. 5739874 - Filed Dec 28, 1995 - Thomson Consumer Electronics, Inc.

**Analog satellite television** systems ^ typically employ FM modulation, ... being constructed utilizing a commercially available **integrated circuit** (1C) which ...

**Digital satellite** broadcasting receiver

US Pat. 5974095 - Filed Sep 26, 1996 - Sharp Kabushiki Kaisha

Description of the Background Art **Satellite television** broadcast systems can be ... The AGC control voltage is supplied from an **integrated circuit** for ...

Hexagonal architecture

US Pat. 6407434 - Filed Aug 21, 1995 - LSI Logic Corporation

104, a schematic block diagram of a large scale **integrated circuit** ... such as a **digital television**, CD video and audio, and direct broadcast **satellite** is ...

Transistors having dynamically adjustable characteristics

US Pat. 5811863 - Filed Aug 21, 1995 - LSi Logic Corporation

104, a schematic block diagram of a large scale **integrated circuit** ... such as a **digital television**, CD video and audio, and direct broadcast **satellite** is ...

Hexagonal field programmable gate array architecture

US Pat. 5777360 - Filed Aug 21, 1995 - LSI Logic Corporation

Although 5 a large scale **integrated circuit** according to the present not shown ... each other and **digital** entertainment system such as a **digital television**, ...

**Television** with **integrated** receiver decoder

US Pat. 5844623 - Filed Sep 27, 1996 - Sony Corporation

Switch 14 connects the **digital-to-analog** converter 13 to the speaker system when the **integrated** system is in a receiver/decoder mode. In a **television** mode, ...

Selecting a **digital television** program and the control of a non-attached ...

US Pat. 5963264 - Filed Oct 30, 1997 - EchoStar Engineering Corporation

10 The packet demultiplexer 25 is an **integrated circuit** that accepts the ... The video stream 26 is fed to video **digital to analog** converter 32 and the ...

Tri-directional interconnect architecture for SRAM

US Pat. 5889329 - Filed Aug 21, 1995 - LSI Logic Corporation

**Integrated circuit** 711 does not necessarily incorporate the architecture of ... as a **digital television**, CD video and audio, and direct broadcast **satellite** ...

Hexagonal DRAM array

US Pat. 5742086 - Filed Aug 21, 1995 - LSI Logic Corporation

Although a large scale **integrated circuit** according to the present not ... with each other and 50 **digital** entertainment system such as a **digital television**, ...

**Channel** selection in **digital television**

US Pat. 6661472 - Filed Sep 27, 1999 - Sony Corporation

**Digital television** 150 includes a display 155, such as a cathode ray tube 55 ("CRT"), a tuner 160, a **channel** control circuit 165, and a **channel** processing ...



### Cable television audio messaging systems

US Pat. 5825407 - Filed Feb 26, 1996 - Albrit Technologies Ltd.

The invention provides a multi-channel **digital** audio module which permits ...  
using standard off-the-shelf components, including **integrated circuit** chips, ...

### Method and apparatus for optimizing the performance of digital systems

US Pat. 5563928 - Filed May 15, 1995 - LSI Logic Corporation

11, a schematic block diagram of a large scale **integrated circuit** ... **digital television**, CD video and audio, and direct broadcast **satellite** is illustrated. ...

### Pixel block compression apparatus in an image processing system

US Pat. 6256347 - Filed Aug 12, 1997 - Thomson Licensing S.A.

Compressor 12 and decompressor reside in a common **integrated circuit** and exhibit ... and processing standard definition video signals via an **analog channel** ...

### Video, audio and graphics decode, composite and display system

US Pat. 6853385 - Filed Aug 18, 2000 - Broadcom Corporation

The **integrated circuit** may further include a bus 1404 for transferring ...  
The DOCSIS data may include, for example, **digital television** data or HTML files. ...

### Apparatus for providing audible instructions or status information for use ...

US Pat. 5502496 - Filed Jun 9, 1994 - Thomson Consumer Electronics, Inc.

**Satellite** receiver 15 includes a tuner 1501 with a local oscillator and mixer (not ...  
... The baseband **analog** video and audio signals are coupled to **television** ...

### On screen display arrangement for a digital video signal processing system

US Pat. 5489947 - Filed Feb 15, 1995 - Thomson Consumer Electronics, Inc.

1 is a **digital television satellite** system in which **television** information is ...  
... Video decoder 1509 is incorporated in a single **integrated circuit** (1C). ...

### Hexagonal sense cell architecture

US Pat. 5872380 - Filed Aug 21, 1995 - LSI Logic Corporation

**Integrated circuit** 711 does not necessarily incorporate the architecture of ...  
as a **digital television**, CD video and audio, and direct broadcast **satellite** ...

### Method and apparatus for communicating digital information such as ...

US Pat. 5321725 - Filed Jul 10, 1992 - General Instrument Corporation

Bandwidth efficiency in **digital** com- grated **circuit** chips. rature phase shift ...  
... **satellite** transmission systems, are well established and sion **channel**), ...

### Tuning system for achieving quick acquisition times for a digital satellite ...

US Pat. 6359944 - Filed May 10, 1999 - Thomson Licensing S.A.

In a **digital satellite television** system, each modulated RF carrier ... phase locked loop (PLL) arrangement 919 comprising PLL **integrated circuit** (1C) 921, ...

### Radio broadcast transmission system and receiver for incompatible signal ...

US Pat. 5584051 - Filed Jul 25, 1994 - Thomson Consumer Electronics Sales GmbH

In a DAB-specific **digital** signal processing **circuit** contained in the DAB ... etc.  
realized with **analog circuit** technology in today's receiver designs. ...

### Method and apparatus for communicating digital data using trellis coded QAM

US Pat. 5233629 - Filed Jul 26, 1991 - General Instrument Corporation

However, such components in order to communicate **digital** data via an **analog** applications, such as **satellite** communications, wherein quadrature amplitude ...

Programmable triangular shaped device having variable gain

US Pat. 6312980 - Filed Jun 5, 1998 - LSI Logic Corporation

**Integrated circuit** 711 does not necessarily incorporate the architecture of ... as a **digital television**, CD video and audio, and direct broadcast **satellite** ...

Video and graphics system with a data transport processor

US Pat. 6538656 - Filed Aug 18, 2000 - Broadcom Corporation

38, an **integrated circuit** 1400 preferably includes one embodiment of the ... The DOCSIS data may include, for example, **digital television** data or HTML files ...

Triangular semiconductor or gate

US Pat. 6097073 - Filed Aug 21, 1995 - LSI Logic Corporation

Typical applications for the large scale **integrated circuit** 730 may be ... such as a **digital television**, CD video and audio, and direct broadcast **satellite** ...

Compatible **digital** audio for NTSC television

US Pat. 5357284 - Filed Mar 29, 1990 - Dolby Laboratories Licensing Corporation

Differential QPSK single-chip **integrated circuit** form, the Signetics NE avoids the ... BTSC multi-channel **analog** sound system has a mono-medium frequency. ...

Video and graphics system with parallel processing of graphics windows

US Pat. 6573905 - Filed Aug 18, 2000 - Broadcom Corporation

38, an **integrated circuit** 1400 preferably includes one embodiment of the ... The DOCSIS data may include, for example, **digital television** data or HTML files ...

Cryptographic system for direct broadcast **satellite** system

US Pat. 4887296 - Filed Oct 16, 1987 - Ricoh Co., Ltd.

The decryption **circuit**, being totally **digital**, can be implemented using semi-custom or custom **integrated** circuits. It is highly important that the ...

Hexagonal architecture with triangular shaped cells

US Pat. 5789770 - Filed Aug 21, 1995 - LSI Logic Corporation

The large scale **integrated circuit** 730 not shown, the **digital** system may have ... ("RAM") 720, **satellite television** and the like. video controller 721, ...

**Integrated** video processing system having multiple video sources and ...

US Pat. 6519283 - Filed Jun 9, 1999 - International Business Machines Corporation

To restate, provided herein is an **integrated digital** video processing ... cable **television** signal, **satellite analog channel**, or a tuner-connected antenna. ...

MPEG packet header compression for **television** modems

US Pat. 5835730 - Filed Jul 31, 1996 - General Instrument Corporation of Delaware

The packet stream can comprise any **digital** stream in which consecutive fixed ... **channel** is input to an **analog** application specific **integrated circuit** ...

Triangular semiconductor NAND gate

US Pat. 5864165 - Filed Aug 21, 1995 - LSI Logic Corporation

104, a schematic block diagram of a large scale **integrated circuit** ... block diagram of a **digital** entertainment system such as a **digital television**, ...

### System for transmitting **digital** data through a lossy **channel**

US Pat. 6412112 - Filed Feb 8, 1999 - WebTV Networks, Inc.

ASIC 42 is coupled to an audio **digital-to-analog** converter (DAC) 44 which provides audio output to **television** 22. In addition, ASIC 42 is coupled to a video ...

### System for converting **digital television** signals with insertion of ...

US Pat. 6005629 - Filed May 27, 1997 - SGS-Thomson Microelectronics S.A.

**Digital television** signals transmitted by a **satellite** reception antenna (not shown) ... Unit essentially includes a coding **circuit** 7 and **digital-to-analog** ...

### Miniature video in the guide logo

US Pat. 6351270 - Filed Mar 1, 1999 - Sony Corporation

One type of broadcast medium is a broadcast **satellite** system such as a **digital satellite** system (DSS). DSS typically includes an antenna, an **integrated** ...

### Photonic home area network

US Pat. 5983068 - Filed Feb 29, 1996

That is, as multiplexer and demultiplexer **integrated circuit** technology ... to digitize an **analog television channel**. signals 58 can take other binary ...

### System and method for selection/deselection of timer recording

US Pat. 6292624 - Filed May 13, 1997 - Sony Corporation

Antenna 305 receives the **digital** bit stream from an orbiting **satellite** (not ... In this embodiment, IF 415 may include a link layer **integrated circuit** (1C) ...

### Single clock 27 MHZ oscillator in MPEG-2 system

US Pat. 6151479 - Filed Jun 3, 1997 - EchoStar Engineering Corp.

BACKGROUND OF THE INVENTION With the advent of **digital television** signals, ... signals in the audio DAC (**digital Analog Converter**) 8 and the video DAC 9. ...

### **Digital** demodulation apparatus

US Pat. 5610948 - Filed May 23, 1995 - Matsushita Electric Industrial Co., Ltd.

Conventional **satellite** communications utilize binary phase shift keying ... The digitized detector outputs are input into **digital channel** filters 44 and 45 ...

### Reconfigurable programmable **digital** filter architecture useful in ...

US Pat. 5388062 - Filed May 6, 1993 - Thomson Consumer Electronics, Inc.

Such communicated information includes **analog** NTSC **television** signals, **digital** ... What is needed is a single **integrated circuit** (chip) architecture which ...

### **Integrated** video system

US Pat. 6209025 - Filed Nov 9, 1998

Each pixel value contains 16 bits for 16 color **digital** displays. ... advanced graphics **integrated circuit** from C-Cube Microsystems that provides the **digital** ...

### System for synchronizing discrete components to a common clock source

US Pat. 6308280 - Filed Jun 25, 1998 - Hughes Electronics Corporation

One type of receiver station is part of a "wireless **digital television**" system ... **satellite** dish connected by a cable 30 to an **integrated** receiver/decoder ...

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